

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An intelligent remote caller identification system, comprising:
~~a central office operable to trigger a query responsive to receiving a call request;~~
~~a service control point coupled to the central office, the service control point~~ telephone routing device operable to receive ~~the~~ a query responsive to a call request to a telephone number of a called party[[,]] and trigger an internet call routing query; and
an internet call routing system coupled to the ~~service control point~~ telephone routing device, the internet call routing system operable to receive the internet call routing query, dispose of the call request based upon rules set up by the called party, determine presence of a called party with respect to at least one registered communication device, and send an internet-based message messages to the called party at ~~said at least one~~ a plurality of registered communication device devices responsive to the presence determination.
2. (Original) The system of claim 1, further comprising a certificate authority coupled to the internet call routing system, the certificate authority being operable to authenticate the called party by searching a customer database for current subscription and payment information.
3. (Currently Amended) The system of claim 1, further comprising a presence engine coupled to the internet call routing system, the presence engine being operable to determine ~~the~~ a presence of any of ~~said at least one~~ the registered communication device devices.

4. (Original) The system of claim 1, wherein the internet call routing query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

5. (Currently Amended) The system of claim 1, further comprising a gateway coupled between the ~~service control point~~ telephone routing device and the internet call routing system, the gateway being operable to translate protocols between ~~the~~ a SS7 protocol and the internet protocol.

6. (Original) The system of claim 1, further comprising at least one of a short message service server, an electronic mail server, an instant messaging server and a simple object access protocol server, said server(s) being coupled to the internet call routing system, and being operable to forward an internet-based message to a registered communication device responsive to instructions from the internet call routing system.

7. (Currently Amended) An internet call routing system, comprising:
receive logic operable to receive a call query from a ~~service control point~~ telephone routing device via a gateway;
presence logic coupled to the receive logic, the presence logic being operable to determine whether a called party associated with the call query is present with respect to at least one registered communication device associated with the called party; and
messaging logic coupled to the presence logic, the messaging logic being operable to send a plurality of messages ~~message~~ to the called party via ~~said at least one~~ a plurality of registered communication ~~device~~ devices responsive to the presence determination.

8. (Currently Amended) The system of claim 7, further comprising:

a database operable to store a profile associated with the called party including a list comprising ~~said at least one~~ the plurality of registered communication ~~device~~ devices, the database being operable to provide the list associated with the called party to the presence logic.

9. (Original) The system of claim 7, wherein the messaging logic is at least one of a short message server, an electronic mail server, a simple object access protocol server, and an instant messaging server.

10. (Original) The system of claim 7, wherein the call query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

11. (Original) The system of claim 10, further comprising:

authentication logic coupled to the receive logic, the authentication logic operable to employ the certificate associated with the called party to authenticate the called party associated with the call query.

12. (Original) The system of claim 11, wherein the authentication logic authenticates the called party, and assures that the called party continues to subscribe to a service provided by the internet call routing system.

13. (Original) The system of claim 7, further comprising a rules engine, the rules engine being coupled between the receive logic and the presence logic, the rules engine being operable to parse at least one rule associated with the called party, and send instructions to a service control point to connect the call as dialed responsive to the rule parsing.

14. (Currently Amended) The system of claim 7, wherein ~~said at least one~~ the plurality of registered communication device devices ~~comprises~~ comprise at least one of an internet connected computer, a cellular phone, an internet protocol phone, and a television set-top box.

15. (Currently Amended) A method of providing caller identification at a remote location, comprising the steps of:
receiving a call query from a ~~service control point~~ telephone routing device via a gateway;
determining whether the called party is present with respect to ~~at least one~~ a plurality of registered communication device devices associated with the called party; and
sending a plurality of messages ~~message~~ to the called party via ~~said at least one~~ the registered communication device devices responsive to the presence determination.

16. (Original) The method of claim 15, wherein the method further comprises:
storing a profile associated with the called party including a list comprising ~~said at least one~~ the plurality of registered communication device devices, the database being operable to provide the list associated with the called party to the presence logic.

17. (Original) The method of claim 16, wherein the method further comprises:
storing a profile associated with the called party, the profile also including at least one rule for sending the message to the called party.

18. (Original) The method of claim 17, further comprising:
parsing said at least one rule prior to sending the message to the called party; and
sending a message to the called party via ~~said~~ at least one registered communication device responsive to the parsing and the presence determination.

19. (Original) The method of claim 18, wherein the message is an internet-based message.

20. (Currently Amended) The method of claim 15, further comprising:

using at least one of a short message server, an electronic mail server, a simple object access protocol server, and an instant messaging server, to send the message to the called party via said at least one registered communication device responsive to the presence determination.[[.]]

21. (Currently Amended) The method of claim 20, wherein ~~said at least one~~ the plurality of registered communication ~~device~~ devices includes at least one of a computer with internet connectivity, a cellular phone, an internet protocol phone, and a television set-top box.

22. (Original) The method of claim 15, wherein the call query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

23. (Original) The method of claim 22, further comprising using the certificate associated with the called party to authenticate the called party.

24. (Currently Amended) A computer readable medium having a program for providing caller identification at a remote location, the program comprising the steps of:
receiving a call query from a ~~service control point~~ telephone routing device via a gateway;
determining whether the called party is present with respect to ~~at least one~~ a plurality of registered communication ~~device~~ devices associated with the called party; and
sending a plurality of messages ~~message~~ to the called party via ~~said at least one~~ the registered communication ~~device~~ devices responsive to the presence determination.

25. (Currently Amended) The program of claim 24, wherein the method further comprises:
storing a profile associated with the called party including a list comprising ~~said at least one~~ the plurality of registered communication ~~device~~ devices, the database being operable to provide the list associated with the called party to the presence logic.

26. (Original) The program of claim 25, wherein the method further comprises:
storing a profile associated with the called party, the profile also including at least one rule for sending the message to the called party.

27. (Original) The program of claim 26, further comprising:
parsing said at least one rule prior to sending the message to the called party; and
sending a message to the called party via said at least one registered communication device responsive to the parsing and the presence determination.

28. (Original) The program of claim 27, wherein the message is an internet-based message.

29. (Currently Amended) The program of claim 24, further comprising:
using at least one of a short message server, an electronic mail server, a simple object access protocol server, and an instant messaging server, to send the message to the called party via said at least one registered communication device responsive to the presence determination. [[.]]

30. (Currently Amended) The program of claim 29, wherein ~~said at least one~~ the plurality of registered communication ~~device~~ devices includes at least one of a computer with internet connectivity, a cellular phone, an internet protocol phone, and a television set-top box.

31. (Original) The program of claim 24, wherein the call query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

32. (Original) The program of claim 31, further comprising using the certificate associated with the called party to authenticate the called party.

33. (New) The system of claim 1, wherein the registered communication devices include a cellular telephone.

34. (New) The system of claim 31, wherein the rules include time restrictions that cause call requests to be handled in a different manner depending upon the time that the call request is received.

35. (New) The system of claim 1, wherein the rules include calling party restrictions that cause call requests to be handled in a different manner depending upon the calling party making the call request.

36. (New) The system of claim 1, wherein the rules include the option of handling the call request by connecting the calling party to the telephone number and contemporaneously sending the internet-based messages to the plurality of registered communication devices to inform the called party of the telephone call to the telephone number.